

Specific Electrical Conductivity of Aqueous Potassium
Chloride Solutions at High Temperature, by
S. V. Gorbachev, V. I. Kondratev.

RUSSIAN, ~~per~~, Zhur Fiz Khim, Vol XXXV, No 6, 1961,

NZDIA

Sci
Jun 63

TT-62-28764

Glyukov, A.P. and Tereshkin, I.A.
 SUR LA DEPENDANCE DE LA PRESSION SUR LA COMBUSTION DES EXPLOSIFS (O Zavisimosti Stirovani Garenii ot Davleniya) (Pressure Dependence of the Burning Velocity of Explosives), 22p. (foreign text included) 4 refs.
 CNRS-VI 725.
 Order from OTS, ETC or CNRS \$2.60 TT-62-28764

Trans. in French of #Zhurnal Fizicheskoi Khimii (USSR) 37(1), v. 35, no. 1, p. 1622-1628.
 Trans. in English available from OTS, ETC or SLA \$1.60 as 62-14212, 1962, 12p.

DESCRIPTORS: Explosive materials, Tetryl, Ammonium picrate, RDX, Nitroglycerin, Combustion, Velocity, Pressure.

(Chemistry--Physical, TT, v. 11, no. 8)

I. Glyukov, A.P.
 II. Tereshkin, I.A.
 III. CNRS-VI 725
 IV. Centre National de la Recherche Scientifique, Paris

Office of Technical Services
 European Translations Centre

62-24573

Zarif'yants, M. A., Kiselev, V. F., and
Fedorov, G. G.
ADSORPTION CHIMIQUE DE L'OXYGENE A LA SUR-
FACE D'UNE PLATTE IMPREGNEE D'HORMONE (Khim-
icheskaya Adsorbtsiya Kisloroda na Poverkhnosti Svez-
hego Raskola Grafita) tr. by Mikhailovic. 26 Dec 61
(8)p. (Russian text included) 3 refs. CEA Trans.
no. R 1462 (text in French).
Order from CTS or SIA \$1.10

62-24573

Trans. in French of Zhurnal Fizicheskoi Khimii
(USSR) 1961, v. 35, no. 8, p. 1885-1886.

DESCRIPTORS: *Adsorption, *Oxygen, *Graphite,
Cooling, Temperature.

(Chemistry--Physical, AT, v. 8, no. 3)

- I. Zarif'yants, Y. A.
- II. Kiselev, V. F.
- III. Fedorov, G. G.
- IV. CEA-tr-R1462
- V. Commissariat à l'Energie
Atomique (France)

Office of Technical Services

(SF-1878)

Ukrainian Republican Conference on Adsorption and Methods of Chromatographic Analysis, by K. V. Chumakov, 6 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXV,
No 9, pp 2170-2172.

JPRS 13570

Sci - Chem

May 62

193, 511
~~Keep in file~~

(SF-2212)

M. M. Dubinin, by B. P. Bering, V. V. Serpinskiy,
5 pp.

RUSSIAN, per, Zhurnal Fizicheskoy Khimii,
No 11, 1961, pp 225-227.

JPRS 13882

USSR
Biog
Jun 62

63-10748

Kobozev, N. I., Semiokhin, I. A., and Pitskhelauri, E. N.
REACTION BETWEEN HYDROGEN AND OXYGEN IN
THE SILENT ELECTRICAL DISCHARGE. VIII. MECH-
ANISM OF THE PROCESS (Vzaimodelstviye Vodoroda
s Kislorodom v Pikhom Elektricheskom Razryade).
[1962] 115p. 14 refs.
Order from ODS or SLA \$1.60

63-10748

Trans. of Zhurnal Fizicheskoi Khimii (USSR) 1962,
v. 36 [no. 3] p. 443-448

DESCRIPTORS: *Hydrogen, *Oxygen, *Electric dis-
charges, Chemical reactions, *Reaction kinetics,
Electrochemistry.

Water vapor and particularly argon have been shown
to be energy catalysts of the formation and of the de-
composition of H_2O_2 . At low concentrations they act
(Chemistry--Physical, IT, v. 10, no. 3) (over)

I. Kobozev, N. I.
II. Semiokhin, I. A.
III. Pitskhelauri, E. N.
IV. Title: Mechanism ...

Office of Technical Services

Vysotskite-a New Sulphide of Palladium and
Nickel, by A. D. DGenkin, O. E. Zvyagintsev.
RUSSIA, per, Zapiski Vsesoyuznogo Mineralogiche-
skogo Obshchestva, Vol 91, No 6, 1962,
pp 718-725.
NLL RTS 2713

Sci - Earth Sci & Ocean
Sept. 67

340,391

Marina, L. I., Nashel'skii, A. Ya., and Yakobson,
S. V.

INVESTIGATION OF THE DECOMPOSITION PRESSURE
OF GALLIUM PHOSPHIDE. [1962] 11p. 16 refs.
Order from OTS or SLA \$1.60

63-10772

Trans. of Zhurnal Fizicheskoi Khimii (USSR) 1962,
v. 36, no. 5, p. 1086-1088.

Another trans. is available from OTS or SLA \$1.10
as 62-18968, 2 Aug 62 [8]p.

DESCRIPTORS: *Semiconductors, *Gallium compounds,
*Phosphides, Decomposition, Pressure, Crystallization,
Temperature, Phosphorus, Vapor pressure.

The temperature dependence of the decomposition
pressure of gallium phosphide expressed in the following
terms has been determined

$$\lg P = - \frac{10770}{T} + 9,996.$$

(Chemistry--Physical, T.T., v. 9, no. 11)

(over)

63-10772

I. Marina, L. I.
II. Nashel'skii, A. Ya.
III. Yakobson, S. V.

Office of Technical Services

Electrosynthesis of Ozone. V. Synthesis of Ozone
in a Flow Under Reduced Pressure, by V. G. Samoylovich,
V. P. Vendillo.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXVI, No 5, 1962,
pp 989-992.

*FTD-TT-62-1462

Sci - Chem

Oct 62

Hydrolysis of Alkali-Metal Borohydrides (USSR), by
K. N. Mochalov, G. G. Gil'manahin. 15 00

RUSSIAN, per, Zhur Fiz Khim, Vol XXVI, No 5, 1962,
pp 1089-1094.

*FTD-TT-62-1462

Sci - Chem

Oct 62

Polarographic Study of Borohydrides of
Alkali Metals, by K. N. Mochalov,
G. G. Gilmanshin, 13 pp.

RUSSIAN, per, Zhur RAN Fiz Khim, Vol XXXVI,
No 5, 1962, pp 1089-1094, 9675813

FTD-TT-62-1462

Sci-Chem
Mar 63

4
225,718

Infrared Spectroscopy Applied to the Investigation
of the Reaction of Water With Alumina Surface,
by A. V. Uvarov.

RUSSIAN, per, Zhurnal Fizicheskoi Khimii, Vol 36,
1962, pp 1346-1349.

NTC-71-12457-07D

Nov 71

Neutron Diffraction Study of High-Temperature
Annealed Beryllium Oxide, by E. M. Kuleshov,
G. G. Sadukov, et al, 5 pp.
RUSSIAN, per, Zhur Fiz Khim, Vol XXXVI, 1962,
pp 1369-1371. 922-1676
AAEC-Tr-15

Sci-Phys
Jun 64

260,943

c
Electrosynthesis of Ozone, by Yu. V. Filippov.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXVI, No 7, 1962,
pp 1420-1425.

*FTD-TT-62-1536

Sci - Chem

2 Nov 62

Combustion of Ammonium Perchlorate, by L. D.
Romodanova, V. I. Roshchupkin.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXVI, No 7, 1962,
pp 1554, 1555.

*FTD-TT-62-1561

Sci - Chem

2 Nov 62

Lazorenko-Manevich, R. M.
THE REDISTRIBUTION OF POTENTIAL AT THE
SEMICONDUCTOR ELECTROLYTE INTERFACE
UNDER THE INFLUENCE OF LIGHT. [1963] [11]p.
7 refs.

Order from OTS or SLA \$1.60

63-14735

Trans. of *Zhurnal Fizicheskoi Khimii* (USSR)
1962, v. 36 [no. 9] p. 2066-[2071].

DESCRIPTORS: *Semiconductors, *Electrolytes,
*Electrodes, *Light, Distribution, Electric potential,
Electric currents, *Electrochemistry, *Photochemistry.

The effect of illumination on the separate components
of the overvoltage at the semi-conductor electrode is
investigated. If a current flows through the system,
the potential shifts which originate during illumination
of the electrode in the Helmholtz portion of the double
layer ($d\phi_F/d\phi_{O_2}$) and in the surface dipole layer
(Chemistry--Physical, TT, v. 10, no. 4) (over)

63-14735

1. Lazorenko-Manevich, R. M.

Office of Technical Services

Standard Enthalpies of Formation of 1,1-
Difluoroethylene and Trifluoroethylene, by
V. P. Kolesov, et al.
RUSSIAN, per, Zhurnal Fizicheskoi Khimii, Vol 36,
1962, pp 2078-2081.
NTC 71-14598-07D

Feb 72

Standard Enthalpies of Formation of Chloro-
trifluoromethane and Dichloro-Difluoromethane,
by V. P. Kolesov, et al.
RUSSIAN, per, Zhurnal Fizicheskoi Khimii, Vol 36,
1962, pp 2082-2084.
NTC 71-14597-07D

Feb 72

Optical Sensitization of the Photoeffect of
Zinc Oxide and the Adsorption Isotherms of
Dyes, by N. N. Markevich, E. K. Putsieko,
RUSSIAN, per, Zh. Fiz. Khim., Vol XXXVI, No 11,
1962, pp 2393-2399.
ATS RJ-4693

Sci-Phys
Jul 67

329,116

Distribution of Lithium Isotopes in Immiscible
Solvents, by V. M. Kolotyrkin, N. I. Nikolayev, 2 pp

RUSSIAN, per, Zhur Fiz Khim, Vol XXVI, No 11,
1952, pp 2540-2541.

Envy Tr 3363/CHI 942

Ed. - Chua

Apr 63

229,270

CIA/FDD X-5075

Combustion of Three-Component Condensed Systems,
by N. N. Bakhtan, Yu. A. Kondrat'yev.
~~XX~~
RUSSIAN, per, Zhur Fiz Khim, ~~XXXXXXXX~~ Vol XXXVII,
No 1, 1963, pp 216-219.

NASA TT F-8436

Sci - Chem

Feb 64

U.S. GOVERNMENT ONLY

250,163

Stryaeva, G. V., Gorbatkina, Yu. A., and
Andreevskaya, G. D.

METHODS FOR DETERMINING ADHESION OF
POLYMERS TO GLASS FIBER SURFACES. [1963] 8p
10 refs

Order from OTS, SLA, or ETC \$1.10 TT-64-10686

Trans. of [Zhurnal] Fizicheskoi Khimii (USSR)
1963, v. 37 [ab. 1] p. 237-241. (Abstract available)

DESCRIPTORS: *Surfaces, *Glass textiles, Polymers,
*Adhesion, Polyester plastics, Resins, Binders,
Fibers (Synthetic), Adhesives,

Two methods were developed for the direct determina-
tion of the adhesion of polymeric binders to glass fila-
ments. The methods are based on measurement of dis-
placement force of glass filament with respect to the
film of polymeric binder and on determination of the
contact area between the resin and filament. One of the
(Chemistry--Physical, 17, v. 11, no. 9) (over)

TT-64-10686

I. Stryaeva, G. V.
II. Gorbatkina, Yu. A.
III. Andreevskaya, G. D.

Effect of Stimulation of Trigeminal Nerve on
Electrotonic Potentials of Dorsal Roots in
Cats, by F.N. Mammonets.
RUSSIAN, per, Fiz Zhurnal, 1963, Vol.9, No.3,
pp.306-310.
OIS-TR-64-19713

B/M
Aug 68

308,689

TT-64-14449

Vyrodov, I. P.
DIFFUSION KINETICS OF REACTIONS. PT. II.
FIRST ORDER REACTIONS. [1963] 8p 2refs
Order from OTS, SLA, or ETC \$1.10 TT-64-14449

Trans. of Zhurnal Fizicheskoi Khimii (USSR)
1963, v. 37 [no. 2] p. 413-419. (Abstract available)

DESCRIPTORS: *Catalysis, *Diffusion, *Reaction
kinetics, Liquids, Solids, Surface properties.

The diffusion kinetics of reactions at the liquid-solid
interface are discussed. Diffusion of the products
occurs within a finite volume (sphere of radius R).
The reaction at the surface is of the first order up to
the moment of saturation of the pre-surface layer by
the products. Following this, no change in the limiting
concentration in the pre-surface layer occurs up to the
end of the reaction between the liquid medium and the
solid. The solution, proposed for the diffusion problem
(Chemistry--Physical, TT, v. 11, no. 7) (over)

I. Vyrodov, I. P.
II. Title: First ...

Office of Technical Services

Thermodynamics of Dielectrics and the Molecular
Structure of Liquids, by M. I. Shakhparanov,
6 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol. XXXVII, No 5,
1963, pp 1169-1172. 9217203

AEC-Tr-6074

Sci - Phys
Jan 64

248,377

Ksenzhek, O. S.
CAPILLARY EQUILIBRIA IN POROUS MEDIA WITH
INTERSECTING PORES. [Jan 64] 8p
Order from ATS \$12.00 ATS-99Q72R

Trans. of #Zhurnal Fizicheskii Khimii (USSR)
1963, v. 37, no. 6, p. 1297-1303.

DESCRIPTORS: *Porous materials.

(Chemistry--Physical, TT, v. 11, no. 10)

TT-64-12436

I. Ksenzhek, O. S.
II. ATS-99Q72R
III. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services

Association des vapeurs d'acide fluorhydrique et
chaleur de leur formation, by V. A. Medvedev,
8 pp.

RUSSIAN to FRENCH, per, Zhur Fiz Khim SSSR,
Vol XXXVIII, No 6, 1963, pp 1403-1406.

Reverse Translation
CEA-R-1759

Sci
Oct 64

~~SEE~~ SOME ASPECTS OF THE CURRENT STATUS OF THE FUEL
CELL PROBLEM, BY O. K. DAVTYAN, 12 PP

RUSSIAN, PER, ZHUR FIZ KHIM, VOL XXXVII, NO 9, 1963,
PP 1949-1957.

JPRS 22148

SCI-FUELS & PROPULSION
DEC 63

243,X016

Studies on the Deflagration-to-Detonation Transition of
Explosives, by K. K. Andreyev, V. V. Gorbunov.
RUSSIAN, per, Zhur Fiz Khim, Vol XXXVII, No 9, 1963,
pp 1958-1965.

*Navy/APL J342

Sci - Engr
Mar 64

Ksenzhek, O. S.
TRANSIENT PROCESSES IN THE CHARGING OF
POROUS ELECTRODES 15 Nov 63 [9p] 9 refs
Order from OTS, SLA, or ETC \$1.10 TT-64-10714

Trans. of Zhurnal Fizicheskoi Khimii (USSR)
1963, v. 37 [no. 9] p. 2007-2011.

(Chemistry--Physical, TT, v. 11, no. 12)

TT-64-10714

I. Ksenzhek, O. S.

Office of Technical Services

Karapet'yants, M. Kh. and Yan, K. H.
THE TEMPERATURE DEPENDENCE OF THE VIS-
COSITY OF n-ALKANES. 30 Oct 63, 12p 12ref's
Order from OTS, SLA, or ETC \$1.60 TT-64-10713

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1963,
v. 37 [no. 9] p. 2041-2047.

(Chemistry--Physical, TT, v. 11, no. 12)

TT-64-10713

L. Karapet'yants, M. Kh.,
H. Yan, K. H.

Office of Technical Services

Chronicle. II. All-Union Conference on Calorimetry.
RUSSIAN, per, Zhur Fiz Khim, Vol XXXVII, 1963,
pp 2379-2387. 9222662
AEC-ANL-Tr-4

Sci-Phys
Jun 64

260,825 925

The Preparation of Metallic Catalysts in the Form
of Films Condensed in Vacuum on a Finely Dispersed
Carrier, by G.K. Boreskov, A.I. Gorbunov. 8 pp.
RUSSIAN, per, Zhurnal Fizicheskoi Khimii, Vol 37,
No 12, 1963, pp 2728-2733.
ATS-06R76R

Sci/Chemistry
Jul 66

307
306,202

Photocatalytic Synthesis of Amino-Acids,
by L. A. Nikolayev, O. N. Agapova, 7 pp.
RUSSIAN, per, Zhur Fiz Khim, Vol XXXVII, 1963,
pp 2746-2748.
AEC-ORNL-Tr-215

Sci-Phys
Dec 64

269,943

Density and Viscosity of Nitrogen Tetroxides
Solutions in 70% Nitric Acid, by M. M. Karavayev,
V. A. Zhantalev, 5 pp.
RUSSIAN, per, Zhur Fiz Khim, Vol XXXVII, No 12,
1963, pp 2771-2773. 9696137
FTD-TT-64-879

Sci - Chem
Mar 63

276,921

Investigation of Common Oxidation Kinetics
of Cumene with Ethylbenzene. I. Ratios of
the Elementary Reaction Rate Constants,
by V. F. Tsapalov, V. Ya. Shlyapintokh,
Fei-kuan Chih, 9 pp.
RUSSIAN, per, Zhurnal Fizicheskoi Khimii,
Vol 38, No 1, 1964, pp 52-58.
SLA TR-65-10204

336,228

Isotope Exchange of Oxygen in the Systems
 $\text{NO}_3\text{---O}_2$ and $\text{Na}_2\text{H}_4\text{O}_{13}\text{---O}_2$, by V. G. Finikov.
RUSSIAN, per, Zhur Fiz Khim, Vol XXXVIII, 1964,
pp 542-546. 9232287
AEC-15-Tr-27

Sci - Chem
Mar 66

298,502

Dependence of the Heats of Formation of Hafnium
Carbide on Composition, by V. I. Zhelankin,
V. S. Kutsev, 5 pp.
RUSSIAN, per, Zhur Fiz Khim, Vol XXXVIII, No 3,
1964, pp 562-564. 9224899
AEC-LA-Tr-64-9

Sci-Chem
Nov 64

268,536

Dissociation of Carbon dioxide in Silent Electric
Discharge, by Yu. P. Andreyev, et al.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXVIII, No 3,
1964, pp 794-797.

J. Woroncov

5230 Clairemont Mesa Blvd.

San Diego, California 92117

Sci - Elec/Eng

Sep 66

308,324

Mechanism of Dissociation of Metal Pthalocyan-
ines, by M. D. Berezin,
RUSSIAN, per, Zhurnal Fiz. Khim., Vol XXXVIII,
No 4, 1964, pp 850-857.
ATS 11-4689

ATS 30877R

Sci-Phys
Apr 67

321,524

Installation For Pulse Measurements
in Electrochemical Investigations,
by V. A. Tyagai, Yu. V. Pleskov.
RUSSIAN, per, Zhurnal Fizicheskoy
Khimii, Vol 38, No 3, 1964, pp 2111-2113.
*R 88 TM P-11,722

Sci/Phys
Oct 68

The Behavior of Small Amounts of Nitromethane in
Aqueous Sulfuric and Hydrochloric Acid Solutions,
by Yu. L. Khalkina, Kh. I. Kuura, et al, 11 pp.
RUSSIAN, per, Zhur Fiz Khim, Vol XXXVIII, No 4,
1964, pp 863-870. 9226590
AEC-ANL-Tr-96

Sci-Chem
Jan 65

271,788

The Electrochemical Properties of Zirconyl Phosphate.
Part II. The Relationship of Electroconductivity
of Zirconyl Phosphate Samples and Their Compositions,
by E. A. Materova
RUSSIAN, per, Zhurnal Fizicheskoi Khimii, Vol 38,
1964, pp 875-939
NTC 71-16433-07D

mar 72

Calculation of the Statistical Sums for Diatomic
Molecules Taking Into Account the Highly Excited
Electron States, by R. I. Artym.
RUSSIAN, per, Zhur Fiz Khim, Vol XXXVIII, No 7, 1964,
pp 1734-1742.
NASA TT F-9175

Sci-Phys
Jan 65

U.S. GOVERNMENT ONLY

270,892

NCH-200 638

Field 11F, 7D

Burtseva, I. K.; Plotnikova, G. P.; Krasilshechkov, A. I.
PASSIVITY AND INTERGRANULAR CORROSION OF
STAINLESS STEEL IN NITRIC ACID: III. Nov 64, 14p.
(foreign text included) 22refs. NLL-M.5615;
INC-Trans-64/211.
Order from NLL as M.5615

Trans. of Zhurnal Fizicheskoi Khimii (USSR) v38 n3
p1956-62 1964.

I. International Nickel Co.
(Mond) Ltd.,
(London) (England)

TT-65-13425

Field 7D

Biryukov, V. V.; Kafarov, V. V.
THE APPLICATION OF ANALOG COMPUTERS TO
REACTION KINETICS STUDIES. 8p, 14 refs.
Order from SLA: \$1.10 as TT-65-13425

Trans. of Zhurnal Fizicheskoi Khimii (USSR)
v38 n8 p2023-9 1964.

See also 'Translated or Abstracted Publications,'
in TT Vol. 14, No. 8.

MR 655

Apparatus for Pulse Measurements in Electro-
chemical Investigations, by V. A. Tyagai,
Yu. V. Pleskov.
RUSSIAN, per, Zhurnal Fizicheskoy Khimii,
Vol 38, No 8, 1964, pp 2111-2113.
NASA ET F-11,772

Sci
Dec 68

371,161

NBS S-465338-68-D

R-9305-D

28 Mar 68

Zhurnal fizicheskoi Khimii V 28, No 9, P 1690-1697, 1964

Author: ZHUK, N. P.

(7 pp)

Russian - est for wds:

Please translate and type 1 original copy only.
Document can be cut.

Thermodynamic Constants of Difficultly Soluble
Sulfates, Carbonates, Chromates, Bromates,
Iodates, Malates and Other Metal Salts, by
N. P. Zhuk, 10 pp.
RUSSIAN, per. Zhurnal Fizicheskoi Khimii SSSR,
Vol 28, No 9, 1954.
Dept of Commerce
Nat Bureau of Standards

Sci-11rs
Ser 68

357,276

Equilibrium in the System Graphite-Hydrogen at
High Temperature and Elevated Pressures, by
L. V. Yeliseyev, 10 pp.
USSR, for Zhur Fiz Khim, Vol XXXVIII, 1964,
pp 2381-2388. 922850
JEC-1441r-65-3

Sci-PH
Jun 65

281,001

Evolution of Gaseous Products in the Oxidation of
Aluminum and Structural Transformations of the
Oxide Film, by Yu. I. Petrov, P. Sh. Gulishevili.
Dokl. Akad. Nauk SSSR, Vol. 198, No. 11,
1964, pp. 2014-2016.
*1965

Sci-Film
Int 65

TT-65-13423

Field 7D

Knorre, V. G.; Kozlov, G. I.
KINETICS AND MECHANISM OF THE THERMAL
DECOMPOSITION OF ETHANE. 9p, 14 refs.
Order from SLA: \$1.10 as TT-65-13423

Trans. of Zhurnal Fizicheskoi Khimii (USSR)
38 n11 p2633-9 1964

See also 'Translated or Abstracted Publications,'
in TT Vol. 14, No. 6.

MR 655

NCH-201 510

Field 11F, 9C

Kulikov, L. N.

THE DEPENDENCE OF THE CONTACT RESISTANCE OF
PALLADIUM ELECTROLYTE. May 65, 6p (foreign text
included) 1 ref. INC-Trans-65/121; NLL-M.5697.
Order from NLL as M.5697

I. International Nickel Co.
(Mond) Ltd.,
London (England)

Trans. of Zhurnal Fizicheskoi Khimii (USSR) v38 n11
p2662-3 1964.

See also 'Translated or Abstracted Publications,' in
TT Vol. 14, No. 8.

NLL 15828.4 1965 (5697)

Compounds of Phosphorus and Manganese, by S. P.
Shentshushny, N. N. Efremov, 9 pp.

RUSSIAN, per, Zhur Fiz Khim Obsh, Vol XXXIX, 1968
pp 777-787.

SEA/R-2540

Sci
Apr 59

84, 432

Allotropic Modifications and Solid Solutions of
Phosphorus, by V. I. Nikolayev, 8 pp.

RUSSIAN, per, Zhur Fiz Khim Obshchestra, Vol LX,
1928, pp 1045-1051.

SLA/R-2593

Sci
Apr 59

84,887

Nitrides, by S. A. Vozneskiy, 6 pp.

RUSSIAN, per, Zhur Fiz Khim Obshchestva, Vol LXI,
1929, pp 1321-1326,

SLA/R-2596

*AEC

Sci
Apr 59

84,909

Deryagin, B.
ON THE DAMPING AND DISPERSION OF SEISMIC
WAVES. [1962] 20p. 26 refs.
Order from OTS or SLA \$1.60

62-20298

Trans. of Zhurnal Geofiziki (USSR) 1931, v. 1,
p. 207-222.

DESCRIPTORS: *Seismic waves, Damping, Propagation.

A theory of seismic-wave propagation is developed on the basis of Boltzmann's theory of elastic post-action. The theory leads to damping and dispersion of seismic waves, in agreement with observation. In the conclusion an application of the principle of conservation of momentum to pulse propagation, is given. (Author)

(Earth Sciences--Seismology, TT, v. 9, no. 12)

62-20298

1. Title: Dispersion
1. Deryagin, B.

Office of Technical Services

A Study of the Optical Properties of the
Atmosphere by the Photometric Method, by V. G.
Fesenkov, 36 pp.

RUSSIA, per: Zhur Geofiziki, Vol IV, no 2,
1954, pp 143-164.

American Meteorol Soc For
Geophysics Res Dir, ASTIA

T-64 R U

33,886

Sci - Geophysics, Physics

May 1956

Cloudiness of Kislovodsk and of Sedlovaya Mountain
in Relation to Tropospheric Air Masses, by
A. I. Askenazi.

RUSSIAN, per, Zhur Geofiz, Vol IV, No 3, 1934.

Bq Air Weather Service, A-2, Technical
Research Files Acc. 47.1015

Scientific - Geophysics

14,532

Synthetic Conditions of Glazed Frost in the European
Part of the USSR., by E. S. Lir, UNCLASSIFIED

RUSSIAN, per, ex Zhur Geofiz i Met, Vol IV, No 1,
1927, pp 24-37

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